Víctor M. Quintas-Martínez

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EDUCATION

PhD in Economics and Statistics Cambridge, MA | 2020–
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
GPA: 5.0/5.0. Dissertation: "Machine Learning for Causal Estimation" under the supervision of Victor Chernozhukov and Whitney Newey.

MSc in Econometrics and Mathematical Economics London, UK | 2018–19
LONDON SCHOOL OF ECONOMICS
GPA: 87.25/100. Rank: 1/36.

BSc in Economics Barcelona, Spain | 2014–18
UNIVERSITAT POMPEU FABRA
GPA: 9.62/10. Rank: 1/175.

PUBLICATIONS

Multiply-Robust Causal Change Attribution (2024)
WITH T. BAHADORI, E. SANTIAGO, J. MU, D. JANZING AND D. HECKERMAN
Forthcoming in the *Proceedings of the 41st International Conference on Machine Learning*, Vienna, Austria, PMLR 235, 2024.

RieszNet and ForestRiesz: Automatic Debiased Machine Learning with Neural Nets and Random Forests (2022)
WITH V. CHERNOZHUKOV, W. NEWEY AND V. SYRGKANIS
Long presentation at ICML 2022 (2% acceptance rate). Published in the *Proceedings of the 39th International Conference on Machine Learning*, Baltimore, Maryland, USA, PMLR 162, 2022.

WORKING PAPERS

Automatic Debiased Machine Learning via Riesz Regression (2024)
WITH V. CHERNOZHUKOV, W. NEWEY AND V. SYRGKANIS

Gender Gaps across the Spectrum of Development: Local Talent and Firm Productivity (2024)
WITH N. ASHRAF, O. BANDIERA AND V. MINNI
Covered in the Financial Times

Finite-Sample Guarantees for High-Dimensional ML (2022)

FELLOWSHIPS AND AWARDS

Jerry Hausman Fellowship (2023–2024), MIT Presidential Fellowship (2020–2021), Ely Devons Prize for Outstanding Performance in the MSc EME (2019, awarded to the valedictorian of the MSc EME at LSE), *Premi Extraordinari de Fi d'Estudis* (2018, awarded to the valedictorian of the BSc Economics at UPF).

WORK EXPERIENCE

AMAZON | Research Science Intern — Summer 2023

I developed a robust ML-based methodology for causal change attribution. Together with the Workplace Health and Safety team, used this methodology to understand what factors cause a reduction of injury rates at Amazon fulfillment centers. As a by-product, we wrote a theory paper describing the methodology and proving its validity for inference.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY | Graduate Teaching Assistant — 2022–24

Teaching assistant for 14.32 Econometrics (undergraduate) with Tetsuya Kaji, and for 14.382 Econometrics and 14.385 Nonlinear Econometrics (graduate) with Alberto Abadie and Whitney Newey. My responsibilities included creating and teaching recitations, holding office hours, providing feedback for written assignments and grading exams. I also developed and taught a mini-course on the basics of programming in Julia, replicability and numerical methods.

LONDON SCHOOL OF ECONOMICS | Graduate Research Assistant — 2019–20

Graduate research assistant at the Suntory and Toyota International Centers for Economics and Related Disciplines (STICERD), in the Development Economics department, for the director of the center, Oriana Bandiera, and Professor Robin Burgess. The position involved a variety of tasks, from reviewing the relevant literature and outlining theoretical models to data collection, management and analysis.

LONDON SCHOOL OF ECONOMICS | Graduate Teaching Assistant — 2018–20

Teaching assistant for EC210 Macroeconomic Principles with Kevin Sheedy and Ricardo Reis (2018–19) and for EC102 Economics B with Ronny Razin and Francesco Caselli, EC201 Microeconomic Principles with Dimitra Petropoulou and Tim Besley (2019–20). My responsibilities included teaching classes in groups of 15–30 students, holding office hours, providing feedback for written assignments and grading exams.

INSTITUTE FOR ADVANCED STUDIES OF TOULOUSE | Research Assistant — April–July 2018

I collaborated for three months with professor Michael Becher in his research in the field of Political Economics. The goal of the project was to study how electoral systems affect the incentives of lawmakers. I was responsible for data collection and management, causal analysis using econometric methods and proofreading of the theoretical model.

PROFESSIONAL ACTIVITIES

REFEREE for Econometrica (2021–), Journal of Econometrics (2024–) and the Young Economist Symposium 2022.

SKILLS

CODE Python, R, Stata, Matlab, Julia

LANGUAGES Spanish, Catalan (Native), English (Fluent), French, German (Medium)